MODEL TEST PAPER

ENTRANCE TEST -2024

M.Sc. Agriculture -I

Name of Candidate		Roll No
A SALANDARON AND A SALA		

Instructions for Candidates

- 1. Every candidate should carry his/her valid Roll No. cum Admit Card to the Entrance Test. No candidate without the valid Roll No. cum Admit Card will be allowed to enter the examination centre.
- 2. The question paper will be of Two Hours duration and will comprise of hundred Multiple Choice Questions of One mark each.
- 3. The candidate has to mark the right option against the question number in the OMR sheet with blue / black pen. The circles marked with pencil will not be marked.
- 4. There will be no negative marking.
- 5. The OMR must be handed over to the Room Supervisor even if the candidate has not filled any option.
- 6. No candidate will be allowed to leave the examination hall before two hours.
- 7. Do not write/make any identification mark(s)/religious symbols/slogan(s) on the OMR sheet.
- 8. The candidate must ensure that his/her OMR has been duly stamped.
- 9. Please ensure that you have signed the attendance sheet.
- 10. Mobile phones and other electronic gadgets such as Bluetooth etc. are strictly prohibited in the Examination Centre.

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Multiple Choice Questions

Max Marks: 100

Time Allowed: 2 hours

C) Profit maximization

1. Method demonstration works on the principle of: B) Learning by teaching D) Learning by doing A) Learning is believing C) Seeing and doing 2. An extension worker help farmers to attain desirable changes in his: D) Wealth A) Temperature B) Behavior C) Health The T& V System was sponsored by: 3. D) IMF C) World bank A) WHO B) USAID Which of the following is not a principle of extension education: 4. A) Need and interest B) Principle of learning by doing C) Principle of cultural difference D) None of these 5. The length of time required to pass through the innovation-decision process is called as: D) Innovation-decision period C) Overtime A) Diffusion period B) Adoption 6. An agricultural innovator is generally viewed as: D) Traditional A) Opinion leader B) Social deviant C) Skeptical Total number of adopter categories are 7. B) 4 C) 3 D) 5 A) 2 An innovation has relatively high degree of complexity, its adoption will be 8. D) Can't be said A) Quick B) Fast C) Slow Who is considered as the father of extension in India? -C) Shoemaker D) Rogers A) KN Singh B) R N Singh The S-M-C-R Model of communication is given by 10. D) Leagans B) Laswell C) Rogers A) Berlo The adopter category, which is considered as the custodian of indigenous knowledge is called as 11. D) None of these B) Late majority C) Early adopters A) Laggards National rural development guarantee act (NREGA) was enacted in...... 12. B.) September 2005 C) January 2006 D) January 2005 A) September 2006 A registered society of key stakeholders involved in agricultural activities for sustainable agricultural development 13. of the district is known as: D) T and V System. C) FIAC A) NGO B) ATMA 14. Cost B2 include A) Cost B1 +rental value of owned land B) Cost B1 + rental value of leased land D) Cost A2 +rental value of leased land C) Cost A1 + rental value of owned land 15. The objective of product -product relationship is B) Cost minimization A) Optimization of production

D) All of above

16.	Distress sale means					
	A) Selling more than marketed su	rplus B) Selling	more than marketable surplus			
	C) Selling less than marketable s	urplus D) Selling	less than marketed surplus			
17.	The marketed surplus > marketab	le surplus				
	A) Small and marginal farmers	B) Big farmers	C) Landless labourers	D) All of above		
18.	Which method of buying and sell	ing is more commonly pra-	cticed in regulated markets			
	A) Hatha system I	3) Private negotiation	C) Open auction	D) Dara sale		
19.	Kisan credit card (KCC)was start	red in				
	A) 1987	3) 1995	C) 1998-99	D) 1997		
20.	Total assets / total liabilities gives	Captabactic To Charle				
	A) Net capital Ratio	3) Debt equity ratio	C) Leverage Ratio	D) Cash Ratio		
21.	For the selection of the project B:	C ratio should be	t. propostance organization			
	A) Greater than 0	3) Greater than 1	C) Less than 1	D) Equal to 1		
22.	Consumer Surplus is defined as	Action of the Country	Alexalica Esterior			
. 19	A) Difference between price a con	sumer pays and the actual	price			
	B) Difference between the actual	price and what the supplier	pays			
	C) Difference between the prices	a consumer is willing to pa	y and what he actually pays			
	D) All the above					
23.	Income effect is negative for which goods					
	A) Inferior goods B) Giffen goods C)	Normal Goods D) Both	A and B		
24.	Shape of long run average cost curve is					
	A) Convex B) Conca	ve C) Straight	Line D) Saucer or U s	shaped		
25.	Demand curve under for an indivi	dual firm under perfect con	mpetition is			
	A) Perfectly inelastic B) Perfectly elastic	C) Elastic	D) Inelastic		
26.	Kinked demand curve theory is fo	research when the expedition	Dec.			
	A) Oligopoly) Duopoly C) 1	Monopoly	D) Monopolistic		
27.	Basis of rooting in layering is					
	A) Media B) Etiolat		D) None			
28.	Myrobalan is the rootstock of	W. Seromatico CVI	er and Grounds - 19th leads			
	A) Peach B) Plum	C) Pear	D) All			
29.	Hesperidium, Blasuta and Amphis	arica are the modified form		littig grad		
	A) Berry B) Pome					
30.	Denavelling is done in	A Landa Contra	a, a finished the	e) bondereda		
) Banana C) I	Papaya D) Citru	s		
			Alor pulk	No. Phirmographics >		

A Words

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31.	Friendship fruit is			
	A) Apple	B) Pomegranate	C) Pineapple	D) Fig
32.	Ringing and scoring is pr	acticed in		<u>ــــــــــــــــــــــــــــــــــــ</u>
	A) Guava	B) Plum	. C) Litchi	D) Apple
33.	Most abundant and basic	auxin is		
	A) NAA	B) IAA	C) 2-4 D	D) IBA
34.	Germination of the seed v	vhile it still remains attache	d with the parent source	3
•	A) Ovipary	B) Apontixis	C) Vivipary	D) Asepsis
35.	Tongue grafting is a modi	fied form of		
ž	A) Saddle grafting	B) Whip grafting	C) Inarching	D) None
36.	What is the chromosome	number of cucumber?		
	A) 14	B) 18	C) 22	D) 26
37.	Which crop is a short-day	plant?		
	A) Potato	B) Okra	C) Sweet potato	D) Beetroot
38.	Which crop has poor stora	ability of seeds?		
140	A) Radish	B) Okra	C) Tomato	D) Onion
39.	Due to which mechanism	tomato is a self pollinated of	crop.	
	A) Cleistogamy	B) Chasmogamy	C) Dichogamy	D) Heterostyly
40.	Which crop has maximum	inbreeding depression?	r e	
	A) Cabbage	B) Lettuce	C) Onion	D) Brinjal
41.	ICMR recommendation o	f vegetables/day for balance	e diet.	
	A) 220g	B) 250g	C) 300g	D) 320g
42.	Pungency of chilli is mea	sured by		
	A) Vernier caliper	. B) Refractometer	C) Dendrometer	D) Scoville heat units
43.		leading producing country	in world.	- 1
; • t ,	A) Capsicum	B) Okra	C) Lettuce	D) Tomato
44.		from which common ances	tor.	
	A) Brassica oleracea var.		B) Brassica oleracea	a var. sylvestris
	C) Brassica oleracea var.		D) Brassica olerace	
45.	All of this obeys Mendel's			
) Independent assortment	C) dominance	D) purity of gametes
46.		called the sex-linked diseas		
) Alzheimer's	C) Malignancy	D) Colour blindness
47.		in which the centromere is		
	A) Paracentric inversion	B) Pericentric invers		mal D) None of above

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48.	A fully expressed allele is referred to	as				
	A) Dominant B) F	Recessive	C) Hom	ologous	D) Heterozygo	ous .
49.	DNA replication is					
	A Conservative	B) Cons	servative and disc	continuous		
10	C) semi-conservative and discontinue	ous D) Sem	i-conservative ar	nd semi-discont	inuous	
50.	In self incompatibility, genot	ype of pollen determ	ines the incomp	atibility.		
	A) Outbreeding B) I	nterspecific	C) Sporophytic	6.4	D) Gametophy	tic ·
51.	Quarantine regulations are enforced	by.?			*	
	A) A country. B) A state.	C) A state or co	intry through les	gislation.	D) None of any	y option.
52.	In 1963 concept of vertical and horiz	ontal resistance was	given by:-			
	A) Eriksson B) Orton	C) Stak	man	D) Vanderplan	k	2
53.	Special structures" rhizoids" are prod	duced in the fungus:				ı
	A) Aspergillus B) Penicilliu		or	Company of the Property of the Company of the Compa		
54.	"Whip smut" of sugarcane is caused	by :-	The District	Part Jan	· · · · · ·	
4	A) Ustilegoscitaminea B) U	Jstilegonuda 🔧 🦠 🕏	C) Ustil	egomaydis	D) Ustilegohor	rdei
55.	Which one is poisonous mushroom?			,		
	A) Pleurotus B) Agaricus	C) Volv	ariella	D) Amnita		4
56.	The smallest pathogenic agent is:-			الله الله الله الله الله الله الله الله	E Sarras no esta	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	A) Virus B) Viroid	C) Viru	soid *	D) Prion	*	
57.	Dispersal of plant pathogens through	wind is known :-	/% ·*	the state of the s		*
	A) Hydrochory B) Zoochory	C) Aner	nochory	D) Anthorocho	гу	
58.	First plant pathogenic nematode was	discovered by	a	not Blickering		ě
5.	A) Needham B) Cobb	C) Kuhr	1	D) Devaine		
-59.	"Khairadisease " of rice is caused by	deficiency of :-	F To There of the	ern denne freger	Per Francis gardina	40 :
	A) Nitrogen B) Zinc	C) Potas	h	D) Phosphorus		
60.	Kresek phase" symptoms found in :-	6 & Venter	હશાંત્રોનું .	Di Angonda		
	A) Late blight of potato	B) Black arm of	cotton			
	C) Bacterial leaf blight of rice	D) Moko diseas	of banana	Dutkin 6		÷
61.	The two important compounds of cel	l wall in most of the	fungi are:-			4
	A) Glucan and cellulose	B) Peptidoglyca	n and cellulose	Mr. Net in our m.	in in the second	f li
	C) Chitin and glucan	D) Peptidoglyca	n and Chitin		j	•.,
62.	Which Fungicide is specific for down	ıy mildew fungi:-	<u>.</u>	De l'Establis		ą.
	A) Karathane B) Plantvax	· v · · C) Meta	laxyl	D) Vitavax		
63.	taphrinamaculans causes the disease:	- Completing	In si	Parkakan di Susan di		
	A) Leaf spot of turmeric	B) Tikka of grou	ındnut			
•	C) Powdery mildew of pea	D) Wilt of pigeo	n pea	T.		37.5
		A Comment of March &	soften 1			

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04.	Crop logging is defin	ned by:		: 7*		
	A) H.F. Clement	B) Nichol	as C) Arnon a	nd stout	D) De Datta and Gon	nez
65.	Which nutrient is mo	oderately mobile in pla	ants?			
·	A) Ca	B) N	C) Zn D) Mo			
66.	The conversion factor	or for calculating P fro	om P ₂ O ₅ :			1
	A) P ₂ O ₅ x 2.29	B) P x 0.44	C) P x 2.29 D)	P ₂ O ₅ x 0.44		
67	The population of fu	ngi is found more in:				
	A) Alkali soil	B) Saline soil	C) Acid soil	D) Both (b) at	nd (c)	
68.	Ca(OH) ₂ is a:					
	A) Slaked lime	B) Quick lime	C) Burnt lime	D) None of th	ese	
69.	How much nitrogen	is fixed by rhizobium	?			· ·
	A) 0-50 kg ha ⁻¹ year	1	B) 50-200 kg ha ⁻¹ y	ear-1		
	C)) 200-350 kg ha ⁻¹	year ¹	D) 350-480 kg ha ⁻¹	year-1		
70.	Prism like soil struct	ure is mostly found in	which horizon in arid and	d semi arid regions:	?	
	A) A- horizon	B) B- horizon	C) C- horizon	D) O- horizon	i.	
71.	Excess Pencourage	s the deficiency of:				
	A) Zn	B) Fe	C) Cu	D) All of these	ė .	
72.	Element responsible	for binding primary p	article is:			
-	A) Ca	B) Na	C) S	D) K		
73.	Major organic acid i	s produced during dec	omposition of organic ma	tter is:		
	A) Fulvic acid	B) Humic acid	C) Humin	D) Humus		•
74.	What is the depth of				,	
	A) 3-9m	B) < 3m	C) 9-12m	D) 12-18m		-
75.		ntial of soil particles l	eads to:	•		
1.00	A) Flocculation	B) Dispersion	C) Both (A) and (B) D) Aggregation	on •	
76.			ave entognathous mouth p			
,,,,,,	A) Thysanura, Diplu	·	a, Odonata C) Odonata		D) Protura, Diplura	
77.		uticle is resistant to m				
) Exocuticle and epicuticle	e C) Endocuticle	e D) Procuticle	,
78.	,		al spiracles are functional			
701	A) Holoneustic	B) Perineustic	C) Hemineustic	D) Metaneusti		. *
79.		egenesis where only m		, 2) 1.20 (4.10)		
19.	A) Arrhenotoky	B) Thelytoky	C) Amphitoky	D) None of the	ese	
۰						
80,			tion for organophosphate		oniestory towin	•
	A) Chitin inhibitor	B) Cholinesterase	inhibitor C) Stomacl	i poison D) Ke	spiratory toxin	

81.	Silk glands in silkworms are modified		
	A) Maxillary glands B) Mandibular glands	C) Labial glands	D) Thoracic glands
82.	Which structure/structures are innervated by the proto	cerebrum	
	A) Compound eyes and ocelli B) Antennae	C) Mouthparts	D) Bursa copulatrix
83.	A naiad is best described as		
	A) Predatory larva B) Wingless adult	C) Aquatic nyr	nph D) Scavenger
84.	Indian migratory locust is:		* .
2	A) Schistocercagregaria B) Patanga succinct	C) Locustamigratoria	D) Heiroglyphusbanian
85.	To which body segment are the elytra attached?		
e h _{er}	A) Mesothorax B) Prothorax	C) First abdominal	D) Metathorax
86.	The first nymphal stage of the Bemisiatabaci is known	1 as there is a some	African State and the way is
	A) Crawler B) Chrysalis 2. Edited	C) Naiad	D) Grub
87.	Which part of the cotton is fed by the young larvae of	pink bollworm	42 + - , 4 + 4 *
٤.	A) Seeds B) Leaves	C) Stem	D) Roots
88.	Which state is leading Turmeric growing Indian state:	Ch Adharapic phan	mpih: Afri Sica - sage as
with a	A) Rajasthan B) Gujrat	C) Andhra Paradesh	D) Madhya Paradesh
89. .	Important small cardamom growing Indian state is:	for the way a sometime to the whole	the salar salar and a second of the salar
K ""	A) Assam B) Kerala	C) Sikkim	D) Goa
90.	Important large cardamom growing Indian state is:	CHEW. STANGERS	The interesting of the state of
it his	A) Assam your manusers and the B) Kerala	C) Sikkim	D) Goa
91.	When Indian seed act was framed to ensure quality see	ed production and supply	Date of the second
New ,	A) 1947 we may the common to the ball B) 1957 - His Comment of	C) 1966	D) 1986
92.	Central Rice Research Insitute is situated at	Crest.	นี้ป่า Ramaja
8.8	A) Hyderabad B) Cuttack	C) Jhansi	D) Raipur
93.	Indian Jute Technology Research Institute was Situated	din 1 Av. replacements.	the Marchige of the same
\$6.7)	A) Assam	C) West Bengal	D) Bihar
94.	Indian Grassland and Fodder Research Institute is situa	ated at	1 (1) (1) (2) (3) (4) (4)
in an	A) Luckhnow B) New Delhi	C) Jabalpur	D) Jhansi.
95.	Rice milling percent was ranges between	the state of the s	Kr. a. g. w
10 10 20 20 20 20 20 20 20 20 20 20 20 20 20	A) 58to 60 B) 61to64	C) 65to70	D) 71to75.
96.	Extra long grain of Basmati Rice ranges between		
. The state of the	A) >7mm B) 6.6to7mm	C) 6.2to6.6mm	D) <6.2mm
97.	Which nutrient is present in the centre of chlorophyll n	nolecule	
	A) Fe B) Mn	C) N	D) Mg.

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98.	Flour recovery in Wheat at	fter milling was between		12
•	A) 60to64%	B) 65to69%	C) 70to74%	D) >75%
99.	Diuron, Isoproturon, Metxu	ron Herbicides belongs to w	hich of the following grou	p on the basis of their chemistry
	A) Organohosphorus	B) Substituted ureas	C) Sulphonyl ureas	D) Triazines.
100.	Brown mustard generally l	known as		
5	A) Raya and Rai	B) Gobi Sarson	C) Toria	D) Canola.
•		r		

ROUGH WORK